AUTHOR INDEX
Volume 31

Adkinson, R.W. 265
Adney, W.S. 979
Agarwal, S.P. 1239
Agarwal, V.K. 1239
Ahlers, D. 1081
Ahmed, J.U. 935
Alam, M.G.S. 935
Alfuraiji, M.M. 165
Allen, S.E. 371,385
Allen, W.E. 347
Almeida, A.P. 166
Alok, D. 167
Altemose, D.L. 753
Althouse, G.C. 1141,1159
Amann, R.P. 283
Amborski, G.F. 212
Ammons, S.F. 1007
Ancell, P. 555
Anderson, G.B. 251,903
Andersson, L. 1059
Anzalone, C.A. 197,265
Aoyagi, Y. 168
Aquadro, P. 371
Armstrong, D.T. 277
Ash, K. 903
Ashman, R.J. 741
Atkinson, T. 165
Avery, B. 179,180

Bacci, M.L. 1201
Bailie, N.C. 1253
Bak, A. 169,170,179,180
Baker, J.F. 184
Ball, L. 979
Ballman-Wouters, P. 172
Bamberg, E. 571
Barry, B.E. 171
Barth, A. 195
Basrur, P.K. 260
Bearden, H.J. 437
Beckers, J.F. 172,188,269,270
Behnke, E.J. 875
Belanger, A. 353,675
Bendixen, P.H. 1059
Benson, G.J. 911
Berger, T. 903
Bernard, C. 675
Bessoudo, E. 185
Betteridge, K.J. 201,239
Bevers, M.M. 473
Bielanski, A. 173,174
Biery, K.A. 266
Biggers, J.D. 115
Bird, R.C. 267
Blach, E.L. 283
Blakewood, E.G. 175,176,177
Bodero, D.A.V. 631
Boland M. P. 41
Bondioli, K.R. 95,218
BonDurant, R.H. 251,903
Bosomworth, A. 963
Bowen, R.A. 283,451
Bowsher, T.R. 221
Brackett, B.G. 276,927
Brandt, K.E. 1123
Bravo, W. 127
Bretzlaff, K.N. 419
Bristol, F. 613
Broadbent, P.J. 165,238,253
Brown, L.M. 927
Buckrell, B.C. 178
Burton, M.S. 196
Butler, J.E. 115,194
Butler, W.R. 835
Byers, A.P. 875

Calle, P.P. 221
Callesen, H. 179,180,205
Cambre, R.C. 221
Canfield, R.W. 835
Carney, E.W. 189
Carruthers, T.D. 779
Carson, S.A. 259
Cartee, R.E. 1149
Casey, D.C. 181
Casey, P.L. 181
Chacon, R.R. 221
Chantaraprateep, P. 1131
Chee, S.H. 216
Chen, Z. 264
Chesne, B. 234
Chiang, B.C. 331
Choi, H.S. 571
Christie, W.B. 238
Christmann, L. 219
Chupin, D. 234
Colborn, D.R. 171
Cook, D.L. 513
Crabo, B.G. 875
Critser, E.S. 61
Crump, J. Jr. 341
Cunningham, E.P. 17
Curran, S. 813

Darrow, M.D. 182
Davies, L. 227
Davis, D.L. 463
Del Campo, C.H. 1249
Del Campo, M.R. 1249
Denbow, D.M. 955
Denniston, R.S. 231
DeRose, E.P. 206
Desbottes, S. 1173
Dhungel, S.K. 437
Diehl, J.R. 323
Diekman, M.A. 1123
Dieleman, S.J. 473,531
Dodson, M.G. 229,247,250
Doem, G. 172
Dolman, D.F. 165,238,253
Donaldson, L.E. 183
Dorm, C.G. 184,185,245,272
Dowsett, K.F. 631
Dresser, B.L. 196,241
Drost, M. 149,186,765
Dugre, F.J. 353
Dunnington, E.A. 955
Duplantix, S.C. Jr. 226
Dwarahnath, P.K. 1239

Eaglesome, M.D. 643
Ebert, K.M. 299
Echternkamp, S.E. 187
Ectors, F.J. 172,188,269,270
Edgerton, L.A. 885
Ellington, J.E. 189,190,210
Ellis, S.B. 95
Elsden, R.P. 47,317
Entwistle, K.W. 399,583,595
Enzenhofer, G. 701
Etherington, W.G. 206
Evans, L.E. 795,1195
Evans, S.G. 309
Eyestone, W.H. 191

Fahmi, H. 1233
Farin, P.W. 979
Fayrer-Hosken, R.A. 192,927
Feck, H. 701
First, N.L. 61,191
Foote, R.H. 189,190,210,213
Forgason, J.L. 489
Forgason, R.L. 489
Fortier, M.A. 353
Fortin, M. 1233
Foxworth, W.B. 193
Frantz, D. 283
Freeman D.A. 194
Frensham, A. 741

Fuhrer, F. 254
Fukuda, Y. 1049
Fukui, Y. 168
Fuller, D.T. 271

Gajada, B. 1227
Galeati, G. 1201
Galik, P.K. 248,895
Galland, J.E. 1093
Garcia, A. 195,237
Garcia, M.A. 1021,1039
Garcia, M.C. 613
Gardiner, C.S. 821
Gardon, J.C. 525
Gartley, D.J. 178
Garverick, H.A. 513
Geary, R.T. 194,973
Geissler, F.T. 214
Gelwicks, E.J. 196,241
Gielen, J.Th. 473
Gillespie, B.E. 393
Gillespie, D.G. 196
Ginther, O.J. 813
Goddard, P.J. 347
Godfrey, B. 545
Godke, R.A. 175,176,177,181
Goff, A.K. 240,274
Gonzales, A. 237
Goodeaux, L.L. 197,265
Goodrowe, K.L. 228
Gooneratne, A.D. 1221
Gordon, I. 41,222
Gotfredsen, P. 179,180
Goto, K. 198
Goy, J.M. 233,245
Graham, E.F. 861,1021,1039
Grasso, F. 199,200,1209
Graves, K.H. 197,265
Gray, B.W. 1149
Green, M.A. 855
Green, M.L. 1123
Greve, T 169,170,179,180
Grimson, R.J. 1183
Grove, R.J. 505
Grunert, E. 1081
Guangya, W. 252
Guilbault, L.A. 199,200,215,120
Gwazdauskas, R.L. 727

Haggerty, M.A. 127
Halbert, K.E. 201
Hall, D.G. 721
Hall, M.R. 963
Hallford, D.M. 843
Hanks, D. 963

Hansen, P.J. 149
Hare, W.C.D. 173,175
Harpold, M.M. 95
Harrill, J.L. 247
Hasler, J.F. 230
Hassan-Hauser, C. 254
Hayden, D.W. 1253
Hehnke, K.E. 202
Hemken, R.J. 505
Henderson W.R. Jr. 214
Henderson, B. 385
Henricks, D.M. 801
Herrler, A. 203
Heuwieser, W. 1081
Hinrichs, K. 204
Hoefler, W.C. 843
Holcombe, D.W. 843
Holm, P. 179,180
Hopkins, S.M. 795
Hoppe, K.F. 1191
Howard, J.G. 193,220,228,244
Hsu, W.H. 795
Hu, Y.X. 211,212
Huang, J-C. 963
Hudson, R.S. 1149
Hulet, R.M. 955
Humes, P.E. 231
Hunt, S.K. 505
Hunter, A.G. 875
Huntress, S.L. 193,220,221
Hutchinson, J.S.M. 165,253
Hyttel, P. 179,180,205

Im, P. 371
Inskeep, E.K. 495
Ishibashi, I. 1049
Ishida, T. 261,917
Itoh, K. 917
Iwazumi, Y. 168

Jacobson, H.A. 437
Jahan, S. 935
Jasko, D.J. 945
Jensen, J.M. 193,220
Jianchen, W. 252,278
Johnson, S.K. 209,236
Johnson, W.H. 178,206
Johnston, G.R. 1253
Johnston, L.A. 207
Johnston, S.D. 1253
Jones, A.L. 208,273
Jones, R.L. 979
Jonker, F.H. 425
Jordan, J.E. 209,236
Jufen, Q. 252,278
Jura, J. 1227

Kahn, W. 1105
Kajihara, Y. 198
Kastelic, J.P. 813
Kato, Y. 232
Kattesh, H.G. 393
Keefer, C.L. 276,927
Keller, G.L. 241
Kenney, R.M. 613
Ketema, H. 361
Khanna, N.D. 1239
Khillan, J.S. 167
Killeen, I.D. 721
Kim, C-K. 371
Kim, C.I. 210
Kim, H.N. 211,212
King, W. 274
King, W.A. 239,240
Kirk, T.A. 955
Kleemann, D.O. 1183
Kline, R.C. 1007
Klunder, L.R. 204
Knappes, S. 187
Knutson, R. 184
Ko, J.C.H. 795,1159
Koba, M. 198
Kobayashi, G. 1131
Korb, H. 254
Kovacs, A. 213
Kraemer, D.C. 141,184,185,193
Kraemer, K.C. 246
Kruip, Th.A.M. 531
Kumar, R. 247
Kunayongkrit, A. 1131
Kuzan, F.B. 214
Kvasnicka, W.G. 963

Lalonde, G. 246
Lambert, E. 172
Lambert, R.D. 353,675
Langeau, D. 249
Lapierre, S. 215
Lasley, B.L. 127
Lauerman, L.H. 267
Laurent, Y. 172
Lean, I.J. 1093
Lee, K.W. 216
Leibfried-Rutledge, K. 61
Leibo, S.P. 85
Lein, D. 945
Leslie, K.E. 201
Lhoest, B. 172

Liboriussen, T. 170
Limskul, A. 1131
Lin, Y.C. 727
Lindsell, C.E. 217
Lipetz, K.J. 323
Liptrap, R.M. 260
Littel, C.J. 855
Little, T.V. 945
Loch, W.L. 613
Lohachit, C. 1131
Long, G.G. 1123
Looney, C.R. 181,218,273
Lopes, R.F.F. 219
Loskutoff, N.M. 193,221,244
Love, C.C. 613
Lu, K.H. 222
Lussier, J.G. 199,200,217,779

MacDonnell, H.F. 222
Macmillan, K.L. 149,186
Madrid, N. 419
Malayer, J.R. 1123
Malter, H. 927
Mapletoft, R.J. 195,223,224,225
Massip, A. 270
Matsuda, S. 917
Mattioli, M. 1201
Matton, P. 199
Mawson, B. 227
McBride, C.E. 927
McChesney, A.E. 979
McClary, D.G. 565
McCool, C.J. 399,583,595
McGilliard, M.L. 753
McGuinnis, L.K. 226
McGurik, B. 29
McLaughlin, K.J. 227
Mechekour, F. 234
Menard, D.P. 215
Menezo, Y. 197
Menino, A.R., Jr. 821
Merilan, C.P. 623
Meyen, B.A. 463
Meyer, H.H.D. 701
Meyer, T.K. 683
Miller, A.M. 228
Miller, S.A. 643
Minegishi, Y. 168
Minhas, B.S. 229,243,247,250
Miura, H. 917
Moker, J. 223,224,225
Momont, H.W. 1233
Moore, K. 208,273
Morris, D.L. 489
Morris, P.G. 489
Mortimer, R.G. 979
Mostl, E. 571
Mukasa-Mugerwa, E. 361
Munar, C.J. 230
Munkittrick, T.W. 753
Munyakazi, R.L. 231
Murphy, B.D. 217

Nagashima, H. 232
Naito, K. 1049
Nakanishi, Y. 198
Nebel, R.L. 735,1165
Nemec, L.A. 193,233,244
Newby, T.J. 801
Newton, G.R. 885
Nibart, M. 234
Niemann, H. 203,513
Nusbaum, K.E. 331

O'Brien, S.J. 207
Oden, A.J. 45
Ogawa, K. 198,232
Olar, T.T. 451
Olson, J.D. 979
Oltenacu, P.A. 1059
Onihara, T. 262,263
Ono, H. 168
Osborne, C.A. 1253
Osborne, P.I. 495

Padgitt, D.D. 234
Page, R.D. 209,236
Palasz, A. 223,224,225,237
Palmer, E. 249
Palmer, T.V. 250
Papaioannou, V.E. 299
Parfet, J.R. 513
Park, C.S. 216
Parker, K.M. 903
Parrish, J.J. 61
Pashen, R.L. 251,903
Payas, A.J. 238
Pedersen, J.O. 179,180
Peeples, J.G. 45
Picard, L. 274
Pickett, B.W. 451
Plata, N.I. 801
Plyler, B.B. 801
Pollard, J.W. 239
Pontbriand, D. 240
Pool, S.H. 175,176
Pope, C.E. 196,241
Powe, T.A. 1149
Prado Delgado, A.R. 317
Prateep, P. 1131

Pratt, N.C. 242
Prevost, J. 675
Price, R.H. 231
Prior, J.H. 95
Pritchard, J.F. 175
Procureur, R. 234
Putman, J.M. 221
Putnam, M.R. 565
Putney, D.J. 765
Pyorala, S. 1067

Rabb, M.H. 171
Rajamahendran, R. 727,1173
Rall, W.F. 683
Randall, G.W. 228,243,247,250
Raphael, B.L. 193,220,221,244
Reed, M.L. 245,246
Rexroad, C.E. Jr. 105
Ricker, D.D. 247,250
Riddell, M.G. 248,895
Rieger, D. 249
Riera, F.L. 204
Rikihisa, Y. 727
Robertson, J.L. 229,247,249
Robinson, J. 1173
Robl, J.M. 75
Rodrigues,, J.L. 219
Roelke, M.E. 228
Rong, R. 252
Rorie, R. 239
Rosenkrans, C.F. 463
Rossi, C.R. 267
Roth, T.L. 251
Rousse, J.D. 211,212,265
Roy, G.L. 199,200,215,120

Saeed, S.A. 253
Sakai, Y. 261,917
Samper, J.C. 875
Sanbuissho, A. 693
Sang, R. 264
Sartin, J.L., Jr. 565
Savage, N.C. 206
Schellander, K. 254,927
Schiewe, M.C. 244
Schillo, K.K. 855
Schleger, W. 254
Schmehl, M.L. 861
Schmidt, M. 169,170,179,180
Schramm, R.D. 495
Scott, F.L. 1093
Seager, S.W.J. 1141
Seamark, R.F. 227,545,555,741
Seguin, B.E. 1233
Seidel, G.E. Jr. 3,317

Seidel, S.M. 3
Seren, E. 1201
Shimohira, I. 261
Siegel, M.R. 505
Silvia, W.C. 855
Simkin, M.E. 189
Singh, G. 255,256,268
Sirard, M.A. 257
Skov, L.C. 245
Skow, L.S. 233
Skyer, D.M. 513
Slapak, J.R. 258,271
Slenning, B.D. 653
Sllhab, S.A. 623
Slyter, A.L. 1191
Smith, A.L. 259
Smith, C.A. 513
Smith, D.H. 545,555,741,118
Smith, K. 945
Smith, P.C. 331
Smith, S. 179,180
Smorag, Z. 1227
Son, D.S. 216
Spitzer, J.C. 801
Sprecher, D.J. 753,1165
Stice, S.L. 75
Stone, B.A. 1183
Stringfellow, D.A. 248,267,331,895
Stroud, B. 192
Stuart, L.D. 323
Stubbings, R.B. 260
Sugie, T. 991
Suzuki, T. 261,917
Svanborg, N. 179,180

Takeda, T. 262,263
Takedomi, T. 262,263
Talwar, G.P. 255,256,268
Tamayo, R. 1249
Tan, H.S. 186
Tan, L. 264
Tarrier, M.P. 393
Taverne, M.A.M. 425
Taylor, R.E.L. 963
Techakumphu, M. 1131
Tegegne, A. 361
Thacker, P.A. 1221
Thatcher, W.W. 149,186,765
Thayne, W.V. 495
Thibier, M. 234
Thibodeaux, J.K. 265
Thomas, W.K. 266
Thompson, C.E. 801
Thompson, D.L. 171,202
Thomson, M.S. 267

Threlfall, W.R. 693,1007
Thurmon, J.C. 911
Tibary, A. 1233
Tiffin, G. 249
Totey, S.M. 255,256,268
Touati, K. 172,188,269,270
Townsend, M.P. 399
Tranquilli, W.J. 911
Troedsson, M. 127
Tronstad, R.J. 963
Tsunoda, Y. 991
Tyner, C.L. 489

Urakawa, M. 168

van der Weyden, G. 425
Van Der Zwalmen, P. 188,269,270
Van Krey, H.P. 955
Varner, D.D. 1141
Varney. D.R. 505
Virakul, P. 1131
Viviers-Donnay, I. 172
Voelkel, S.A. 197,265
Voss, H.J. 371
Vredenburgh, W. 190

Wachs, K.B. 241
Wagner, W.R. 495
Waldhalm, S.J. 437
Walker, S.K. 227,545,555,741
Walkley, J.R.W. 1183
Waller, S.L. 226
Walton, J.S. 201,1173
Warnick, A.C. 361
Webb, G.W. 1141
Weber, J.A. 194,973
Westhusin, M.E. 218,258,271
Wheaton, L.G. 911
Wheeler, M.B. 653
White, K.L. 171,202
Whitesides, J. 1149
Whitman, S.S. 1165
Wideman, D. 272
Wieczorek, B. 1227
Wiemer, K.E.176,177,213
Wildt, D.E. 207,228
Willemse, A.H. 473
Williams, B.W. 193,220
Williams, J.S. 489,821
Williams, M.W. 95
Wilson, J.M. 208,273
Wiltbank, J.N. 309
Wilton, J.W. 206
Wolfe, B.A. 185,193,220,244
Wolfe, D.F. 248,895
Wood, T.C. 171,202
Woods, G.L. 194,973
Woodward, R.A. 631
Wright, J.C. 565,997
Wurth, Y.A. 473
Wust, A. 525

Xu, K.P. 239,240,274

Yadav, B.R. 174
Yamakawa, H. 232
Yang, G. 264
Yang, X. 275
Yee, B. 221
Yong, Z. 278
Young, M.F. 489
Youngquist, R.S. 513
Youngs, C.R. 181,226
Younis, A.I. 276

Zavos, P.M. 505
Zhang, X. 277
Zheng, D. 264
Zheng, X. 264

SUBJECT INDEX
Volume 31

accessibility, 1105
acrosome reaction, 875
adrenal suppression, 935
adrenal, 855
agar embedding, 271
age, 583
American brahman, 489
amino acids, 463
amplitude-depth ultrasonography 1067
anaerobes, 979
androgens, 353,675
anestrous heifers, 172
anti-PMSG, 165,473
anti-sperm antibodies, 955
antibody affinity, 217
appointment artif. insem. 1233
artificial insemination, 244,341,107
    vagina, 623
asynchronous, 186

beef cattle, 184,206,309
bisected embryos, 198,278
bladder duplication, 1253
blastocysts, 168,232,245,262,
        270,463
blastomeres, 262
boar, 1159
body weight, 495
Booroola Merino ewes, 1183
Border Leicester, 721
bovine endocrinology, 701
    follicle, 273
    morulae, 176
    oocyte, 168,188,205,210,240,
        257,258,276,693
    spermatozoa, 213,643
breeding systems, 29
breeding, 17
British Friesian 253
Brucella abortus, 895,997
    ovis, 248
brucellosis, 1249
Buffalo, 255,399,583,595
buffered saline retards, 229
buffers, 1021,1039
bulls, 191,495
buserelin, 371,385

camel, 1239
capacitaion, 875
cardiotocography, 425
catheter modification, 235
cattle 17,165,166,183,186,199,371,
        385,779,801,917,963,1059,
        1209
cell culture systems, 211,232,239
cervical transfer, 234
chick embryo, 211,212
chromatography, 217
chromosome, 213
clenbyterol, 166
cloning, 75
cloprostenol, 795
co-culture system, 105,189,212
Common eland, 196
computerized image amalysis, 181
computerized motion analysis, 283
cooled semen, 241
corpus luteum, 149,1165
cortical granule, 205
corticosteroids, 935
cow embryos, 249
cow, 192,195,208,237,249,361,
        425,1081
cryopreservation, 85,226,266,283,683,
cumulus cell removal, 243
cyclic AMP, 174
    CMP, 174
cystic endometrial hyperplasia, 323
cystic ovarian disease, 1059

dairy herd, 47
days open, 565
decision tree, 653
deer, 437
degeneration, 595
demi-embryos. 264
developing countries, 3,29,41
development stage, 1227
developmental competence, 1201
diagnostic test, 1141
dialysis, 1021,1029,1039
dimethylsulfoxide 250
diphallia, 1253
DNA , 95,233,245,
domestic dog, 451
    cat, 207,241
    chicken eggs, 175,176,177
dominant follicle, 199
donor cows, 203
donor ovary, 473

early development, 1131
econometrics, 653
eight-cell embryo, 175
electroporation, 233
ELISA, 753
embryo, 1,75,85,95,105,115,165,167
184,192,231,246,248,262,
473,525,631,741,813,821,
1131,1227
bovine 174,177,181,187,189,
190,191,209,212,218,234,
239,254,267,271,274,997
collection, 196
competition, 903
donors, 273
growth, 1183
quality, 385
survival, 1183
caprine 175
equine, 171,194,249,973
frozen, 230,261,917
goat, 227,252
importation 182
mammalian 683
mouse, 173,211,219,223,224,225,
233,250,259,266,278
ovine, 226,251
transfer, 3,29,41,43,45,47,141,
166,178,186,204,206,215,
216,238,244,317,323,331,
437,631,765,895,1249
enzyme assay, 209
epidemiology, 1059
epididymis, 583
epithelial cell, 189,197
epithelial monolayers, 177
equine FSH, 183
equine, 341,631,1007,1141
estradiol, 190,260,371
estrogen, 127,353,675,1081
estrous cycle, 200,268,269,855
estrus, 201,545,721,1007,1173,1191
synchronization, 361,419,801,
1191,1233
ethylene glycol, 226
ewe, 248,721,855,1191
experimental design, 49
experimental infection, 979
export, 3

farrowing induction, 795
fertility, 149,361,565,643,801,
1093,1221
fertilization, 61,188,207,210,228,
241,243,260,693
fetal heart rate, 425
spleen cells, 211,212
fetus, 260,272,1105
fibroblast monolayers, 211,212
flattened aluminum tubes, 613
follicle, 531,1209
detection, 185
stimulating hormone 172,
200,236,268,269,277,473,
779,1123,1209
ovine, 183
porcine, 183
follicular fluid, 675,779,1049
growth, 172,513
oocytes, 207,222
follitropin, 236
freshly collected semen, 241

gamete intrafallopian transfer, 221
gene transfer, 167
genetic improvement, 29
genetics, 17
gestation, 215
gilts, 1221
glutamine, 463
goat, 185,251,419
golden hamster, 242
gonadal dysgenesis, 204
Gonadotropin releasing hormone, 237,
317,555,741
gonadotropins, 513
gossypol, 727
growth hormone, 843
growth, 1105

hamster egg penetration, 875
hamster oocyte, 643
heat stress, 765
heifers, 235,269,361,1233
herd unit, 231
hip height, 495
hormonal parameters, 180
hormones, 1173
HPLC-RIA, 701
hybrid, 251

immunization, 963
implants, 419
import-export, 3
in vitro, 191,202,210,228,229,239,
241,243,248,255,257,259,
260,274,463,525,531,1049
conversion, 571
development, 727
fertilization, 168,221,927,1201

growth, 197
maturation, 188,207,222,277
penetration, 643
in vivo, 219
Indian cattle, 256
infection incidence, 963
inner cell mass, 171
inorganic, 1039
insemination, 555,835
insulin, 843
interspecific embryo transfers, 299
intrauterine pressure, 911
ipsilateral transfer, 261,917

Japanese native goat, 991

karyotype, 323

lactation, 885
laparoscopic oocyte collection, 192
latex, effects 1159
lectins, 821
liposome-encapsulated, 245
liquid nitrogen, 177,219
litter deficits, 242
luprostiol, 801
luteal function, 855
luteinizing hormone, 237,371,835, 885,1123
lysolecithin, 927

male, 399
male-specific, 95
mammal, 85
mare, 204,347,973
maternal influence, 215
maturation, 1049,172,210,228,260, 274,693
media, 105,189
membrane integrity, 283
Merino, 545,555
metabolism, 115
micromorphology, 531
milk production, 170
progesterone, 203,753
monoclonal antibody, 165,217,283
monolayer culture, 212
monozygotic twins, 278,903
morphology, 861
morula, 262,275
mouse 263
motility 193,247
mouse, 229,246,263,299,262,281,821
multiparous sows, 216

non-subjective evaluation, 209
nonsurgical embryo transfer, 141,631
nuclear transfer, 258,271
nuclear transplantation, 75

Odocoileus virginianus, 437,1075
oocyte, 61,228,255,277,741,927
maturation, 1201
murine 229
ovine, 895
porcine, 1049
rat, 277
ovarian activity, 208
ovariectomized gilts, 1123
ovary, 779
oviduct, 189
mouse 299
rabbit 271
sheep 21
transport, 973
oviductal epithelium, 239
tissue, 194
transfer, 192
ovulation, 721,1173

palpation per rectum, 1067
parturition, 195,425,1007
pergonal, 221
pessaries, 419
phosphate, 229
pig, 232,393,463,903,1067,1201
pioneer award, 1
pituitary extracts, 217
placental maturation, 1081
plasma progesterone, 238
plastic straws, 613
platelet activation factor, 214
platelet, 247
Pregnant mare serum 473
antisera, 179
FSH, 991
post-thaw viability, 177,193
postpartum, 184,393,885
predetermination of sex, 49
pregnancy, 198,231,234,238,765,1239
diagnosis, 813
rate, 166,565
testing, 1067
pregnenolone, 353
preimplantation stage 243
progesterone, 200,260,353,371,393, 753,855,1007,1081,1165,1183
progestin, 1233
prolactin, 1123
prostacyclin, 701

prostaglandin analyses, 701
prostaglandin F2alpha, 195,393,513, 565,1191,1233
prostaglandin metabolism, 10
prostaglandin treatment, 201
protein synthesis, 240
pseudopregnancy, 353
puma, 228
pyometra, 979

rabbit, 275,299,1227
reductase, 675
refractometer indexes, 265
renal hypoplasia, 1253
reproduction, 169,843,935
reproductive efficiency, 963
retained placenta, 195,1081
retained placenta, 195
rhesus monkeys, 265

Scimitar-horned oryx, 193,220
scrotal circumference, 309,489,495,1149
season, 885
seasonality, 583,721
secretory patterns, 513
semen, 1141
  collection, 341
  frozen, 171,193,278,224,451, 613,741,1075,1029
  processing, 623
  production, 45
  sexing 49,95
serum substitute, 174
sheep, 178,251,741,843,885
shipment, 525
simulation model, 653
SLA minipig, 323
small ruminants, 141
sonograpy, 1105
sow, 795
sperm antigens, 1221
sperm injection, 276
sperm storage tubules, 955
sperm-rich fraction, 613
spermatogenesis, 399,583
spermatozoa, 220,451,861,875,1021, 1075,1159
  human 247
  stallion 283
split embryos, 256
stability, 571
stallion, 341,613,875,1141
stem cell, 254
steroids, 240,571
  glucuronides, 675
  production, 531
stress, 595
sucrose concentration, 225
sugar alcohols, 1029
sugars, 1029
superovulation, 169,170,180,183,200, 201,203,236,317,331,371, 385,437,779,991,1209
superovulatory response, 165
  treatment, 199
survivability, 187
swamp buffalo, 1131
synchrony, 545
synchro-mate-b, 208

testis 399,595,1149
testicular size, 309
thermal fracture, 683
thyroxine, 1239
tiger, 861
time of ovulation, 545,555
tom cat, 861
toxicity, 1159
trehalose, 250
trichomoniasis, 963
trilodothyronine, 1239
trophectodermal cells, 171
tropics, 17
trypsin washing, 186
turkey ferility, 955
twinning, 261,1059
twins, 206,278,917
two-cell, 175

ultrasonic, 208
ultrasonography, 185,208,272,813, 1149,1165,1173,1209
ultrastructure, 861
urinary steroids, 127
urine, 1141
uterine contraction, 425
  presensitization, 1183

vagina, 347
vaginal resistance, electrical 835
viability, 115
vinyl, 1159
viral recrudescense, 331
  resistance, 267
vitrification, 219,1227
vitrification, 219
volume ratios, 246
vulva, 347

weaning, 309
Western Lowland gorilla, 221
white-tailed deer, 1075

xylazine, 795,911

zearalenone, 1123
zebu recipients, 182
zona pellucida, 262,683
zwitterion, 1021
zygotes, 61,229,246